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(57) Abstract: A method of dyeing or printing synthetic polyamide fibre materials, wherein (a) the fibre material is dyed or printed with at least one reactive dye, and (b) the dyed or printed fibre material is subjected to after-treatment with a reducing agent, the fibre material not being treated with polycondensable or polymerisable compounds for fixing the dye on the fibre, results in dyeings and printings that are distinguished by good fastness properties.